

Title (en)

Pyrazole compounds, method for production thereof, use thereof and intermediates for production thereof.

Title (de)

Pyrazolverbindungen, Verfahren zu deren Herstellung, deren Anwendung und Zwischenprodukte für deren Herstellung.

Title (fr)

Composés de pyrazole, procédé de leur préparation, leur utilisation et intermédiaires pour leur fabrication.

Publication

EP 0361827 A1 19900404 (EN)

Application

EP 89309723 A 19890925

Priority

- JP 24867788 A 19880929
- JP 1821589 A 19890127
- JP 11066189 A 19890428

Abstract (en)

A pyrazole compound is represented by the formula, <CHEM> wherein R1 is a hydrogen atom, or an alkyl or phenyl group; R2 is a hydrogen atom, or an alkyl or haloalkyl group; R3 is a hydrogen atom, or an alkyl or phenyl group; each of R4 and R5, which may be the same or different, is a hydrogen atom or an alkyl group; R6 is a hydrogen atom, or an alkyl, haloalkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, trialkylsilyl or dialkyl phenylsilyl group, or an optionally substituted cycloalkyl, cycloalkenyl, phenyl or pyridyl group; R7 is an alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, haloalkynyl, alkoxyalkyl, alkylthioalkyl or mono or dialkylaminoalkyl group, or an optionally substituted cycloalkyl or cycloalkenyl group, or a group represented by <CHEM> (in which X is an oxygen or sulfur atom), or a group represented by <CHEM> (in which each of V's, which may be the same or different, is a hydrogen or halogen atom, or an alkyl, haloalkyl, alkoxy, haloalkoxy or methylenedioxy group, A is a nitrogen atom or a methine group, and n is an integer of from 1 to 5); and Z is an oxygen or sulfur atom. It has insecticidal, acaricidal and fungicidal properties. Methods for preparing it and intermediates used in such methods are also disclosed.

IPC 1-7

A01N 43/16; A01N 43/28; A01N 43/40; A01N 43/56; C07D 213/26; C07D 213/30; C07D 231/20; C07D 231/22; C07D 401/12; C07D 405/12; C07D 409/12

IPC 8 full level

A01N 55/10 (2006.01); **C07C 21/22** (2006.01); **C07C 22/00** (2006.01); **C07C 22/02** (2006.01); **C07C 22/08** (2006.01); **C07C 33/42** (2006.01); **C07C 33/44** (2006.01); **C07C 33/48** (2006.01); **C07C 43/17** (2006.01); **C07C 43/178** (2006.01); **C07C 239/20** (2006.01); **C07C 323/05** (2006.01); **C07C 323/14** (2006.01); **C07D 213/26** (2006.01); **C07D 213/30** (2006.01); **C07D 231/20** (2006.01); **C07D 231/22** (2006.01); **C07D 401/12** (2006.01); **C07D 405/12** (2006.01); **C07D 409/12** (2006.01); **C07F 7/08** (2006.01)

CPC (source: EP KR US)

C07C 21/22 (2013.01 - EP US); **C07C 22/00** (2013.01 - EP US); **C07C 22/02** (2013.01 - EP US); **C07C 22/08** (2013.01 - EP US); **C07C 33/42** (2013.01 - EP US); **C07C 33/44** (2013.01 - EP US); **C07C 33/48** (2013.01 - EP US); **C07C 43/17** (2013.01 - EP US); **C07C 43/1786** (2013.01 - EP US); **C07C 239/20** (2013.01 - EP US); **C07C 323/05** (2013.01 - EP US); **C07C 323/14** (2013.01 - EP US); **C07D 213/26** (2013.01 - EP US); **C07D 213/30** (2013.01 - EP US); **C07D 231/18** (2013.01 - KR); **C07D 231/20** (2013.01 - EP US); **C07D 231/22** (2013.01 - EP US); **C07D 401/12** (2013.01 - EP US); **C07D 405/12** (2013.01 - EP US); **C07D 409/12** (2013.01 - EP US); **C07F 7/0812** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0234045 A2 19870902 - NIHON NOHYAKU CO LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 12, no. 462 (C-549)[3309], 5th December 1988; & JP-A-63 183 564 (NIPPON NOHYAKU CO. LTD) 28-07-1988

Cited by

CN105777640A; CN104557710A; EP0391685A1; WO0249436A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL

DOCDB simple family (publication)

EP 0361827 A1 19900404; EP 0361827 B1 19921216; AU 4142889 A 19900517; AU 616564 B2 19911031; BR 8904946 A 19900508; CA 1329606 C 19940517; DE 68903918 D1 19930128; DE 68903918 T2 19930708; EG 19098 A 19940630; ES 2052925 T3 19940716; IL 91776 A0 19900610; IL 91776 A 19940624; KR 900004695 A 19900412; MY 106418 A 19950530; TR 24102 A 19910318; US 4980345 A 19901225; US 5028714 A 19910702

DOCDB simple family (application)

EP 89309723 A 19890925; AU 4142889 A 19890914; BR 8904946 A 19890929; CA 612117 A 19890920; DE 68903918 T 19890925; EG 46889 A 19890927; ES 89309723 T 19890925; IL 9177689 A 19890925; KR 890014032 A 19890929; MY PI19891284 A 19890919; TR 80589 A 19890927; US 41042589 A 19890921; US 59637590 A 19901012